Established Biometric Standards as of 7 October 2004

The table appearing on the following page lists approved biometric standards published by the American National Standards Institute (ANSI) and the International Organization of Standards (ISO). This list also includes two biometric standards developed outside of the ANSI and ISO processes, NISTIR 6529-A (the Common Biometrics Exchange Formats Framework) and the OASIS XCBF (XML Common Biometric Format) specification.

The standards listed in the table are organized into the following categories:

- Biometric Data Interchange Format Standards
- Biometric Interface Standards
- Biometric Application Profile Standards
- Security-Related Biometric Standards
- Biometric Standards for Identification Cards

| DESIGNATION | TITLE | STATUS | | |
|--|-------------------------------|--|--|--|
| BIOMETRIC DATA INTERCHANGE FORMAT STANDARDS | | | | |
| Information Systems—Data Format for the Interchange of Fingerprint, Facial, & Tattoo (SMT) Information | ANSI/NIST-ITL 1-2000 | Approved ANSI standard in use by the FBI and other federal, state, and local agencies. It is also a de facto standard used by the UK's Home Office and Interpol. | | |
| Information Technology—Face Recognition Format for Data Interchange | ANSI INCITS 385-2004 | Published as ANSI standard in June 2004 | | |
| Information Technology—Finger Image Based Interchange Format | ANSI INCITS 381-2004 | Published as ANSI standard in June 2004 | | |
| Information Technology—Finger Minutiae Format for Data Interchange | ANSI INCITS 378-2004 | Published as ANSI standard in February 2004 | | |
| Information Technology—Finger Pattern Based Interchange Format | ANSI INCITS 377-2004 | Published as ANSI standard in February 2004 | | |
| Information Technology—Iris Image Interchange Format | ANSI INCITS 379-2004 | Published as ANSI standard in June 2004 | | |
| | BIOMETRIC INTERFACE STANDARDS | | | |
| Common Biometric Exchange Formats Framework | NISTIR 6529-A | Original CBEFF standard published as NISTIR 6529 in 2001; NISTIR 6529-A published in 2004 | | |
| BioAPI Specification, Version 1.1 | ANSI/INCITS 358-2002 | Published as ANSI Standard in 2002 | | |
| OASIS XML Common Biometric Format, V 1.1 | OASIS XCBF v1.1 | Published as OASIS Standard in 2003 | | |
| BIOMETRIC APPLICATION PROFILE STANDARDS | | | | |
| Application Profile – Interoperability and Data Interchange – Biometrics- Based Verification and Identification of Transportation Workers | ANSI/INCITS 383-2004 | Approved as an ANSI Standard in August 2004. Not yet published. | | |
| Application Profile for Interoperability, Data Interchange and Data Integrity of Biometric Based Personal Identification for Border Management | | Approved as an ANSI Standard in October 2004. Not yet published. | | |

| SECURITY-RELATED BIOMETRIC STANDARDS | | | |
|---|----------------------|--|--|
| Biometric Information Management and Security for the Financial Services Industry | ANSI X9.84-2003 | Published in 2003 (replaces 2001 edition) | |
| BIOMETRIC STANDARDS FOR IDENTIFICATION CARDS | | | |
| Identification Cards—Integrated Circuits(s) Cards with Contact—Part 11: Personal Verification Through Biometric Methods | ISO/IEC 7816-11:2004 | Published as an International Standard in 2004 | |